

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 99.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-022785**Date Inspected:** 04-Apr-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1500**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Lv Li Qing**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG, Cable Bracket**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Dennis Combs, was present during the times noted above for the observations relative to the work being performed.

Bay 14

This QA Inspector observed the following work in progress for Bay 14.

ZPMC was using the Shielded Metal Arc Welding (SMAW), and Flux Cored Arc Welding (FCAW) processes.

ZPMC QC is identified as Lv Li Qing.

Welding variables recorded by QC appeared to comply with the approved Welding Procedure Specification (WPS).

Listed below are the locations that were identified by this QA inspector.

Component: Deck Plate Diaphragm

PCMK: SEG3019D

Weld Number: 009

Welder: 050242

WPS-B-T-2232-ESAB

Component: Deck Plate Diaphragm

PCMK: SEG3019E

Weld Number: 009

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Welder: 055564
WPS-B-T-2232-ESAB

Component: Vertical Shear Plate Extension
PCMK: SEG3019BB
Weld Number: 002
Welder: 058102
WPS-B-P-2214-TC-U4b-FCM-1

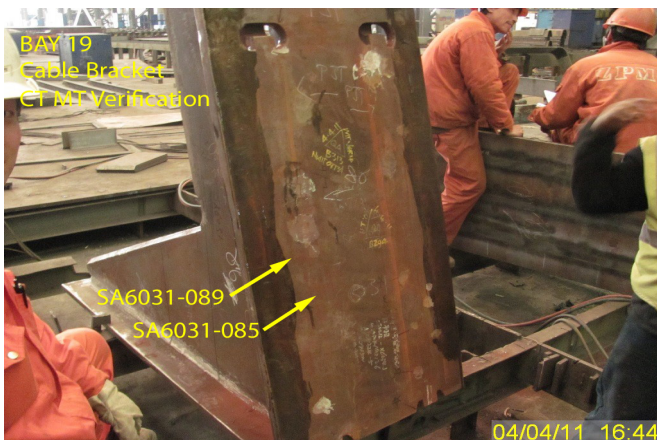
Component: Vertical Shear Plate Extension
PCMK: SEG3019BB
Weld Number: 134
Welder: 044772
WPS-B-P-2214-TC-U4b-FCM-1

Bay 19

This Caltrans QA inspector received ZPMC non-destructive test (NDT) notification number 08736 from ZPMC for Bay 19. This QA inspector performed magnetic particle testing (MT) verification of welds after ZPMC had performed their MT inspection. The segment is identified as Cable Bracket. The weld designations reviewed are as follows.

SA6031-002-081, 084, 088, 082, 086, 085, 089

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



Summary of Conversations:

No relevant conversations.

Comments

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This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 150-0042-2372, who represents the Office of Structural Materials for your project.

Inspected By:	Combs,Dennis	Quality Assurance Inspector
Reviewed By:	Riley,Ken	QA Reviewer
